

OY 254 SNSIY 258
Db 241 SNSIY 245

RESULT 2

B33329

Cysteine-rich secretory protein 2 type I precursor - human
N:Alternate names: testis-specific protein

C:Species: Homo sapiens (man)

C:Date: 09-Mar-1990 #sequence_revision 09-Mar-1990 #text_change 20-Jun-2000

C:Accession: B33329; S66682

R:Kasahara, M.; Gutknecht, J.; Brew, K.; Spurr, N.; Goodfellow, P.N.

Genomics 5, 527-534, 1989

A:Title: Cloning and mapping of a testis-specific gene with sequence similarity to a spe

A:Reference number: A33329; MUID:90129048; PMID:2613236

A:Accession: B33329

A:Status: Preliminary

A:Molecule type: mRNA

A:Residues: 1-243 <KAS>

A:Cross-references: GB:M25532; NID:g339882; PIDN:AAA61220.1; PID:g339883

R:Kraetzschmar, J.; Haendler, B.; Eberspacher, U.; Roosterman, D.; Donner, P.; Schleun

Eur. J. Biochem. 236, 827-836, 1996

A:Title: The human cysteine-rich secretory protein (CRISP) family. Primary structure and

A:Reference number: 568681; MUID:96270732; PMID:8665901

A:Accession: S68682

A:Status: Preliminary

A:Molecule type: mRNA

A:Residues: 1-243 <KRA>

A:Cross-references: EMBL:X95239; NID:g1262816; PIDN:CAA64526.1; PID:g1262817

A:Gene: GDB:TPX1

A:Cross-references: GDB:120760; OMTM:187430

A:Map position: 6p21-6pter

C:Superfamily: cysteine-rich secretory protein 1

F:1-20/Domain: signal sequence #status predicted <SIG>

F:1-243/Product: cysteine-rich secretory protein 2 type I #status predicted <MAT>

Query Match

Best Local Similarity 68.8%; Score 988; DB 2; Length 243;

Matches 176; Conservative 25; Mismatches 42; Indels 2; Gaps 2;

OY 14 MTLFVLLFLVAGLLSPFANEDKDPATLTTOTQVOREIVNKHNELRRAVSPARM 73

Db 1 MALLPV-LFLVTLPLSLP-EGKDPATLTTOTQVOREIVNKHNELRRAVSPARM 58

OY 74 LKMEWKEAANAOKWANOQNRHSNPKDRMTSLKCGENTLYSSAPSSMSQAIOGMPDEY 133

Db 59 LKMEWSREVTNNAQRMWAKCTLOHSDPEDRTSTRGENTLVNSDPTSMSSAIOGMYDEI 118

OY 134 NDFDFGVGPKTPNAVVGHTQVWVSSYLVCGNAYCPNOKLYKYVCQYCPAGNMNR 193

Db 119 LDFYVGVGPKPNNAVVGHTQVWVSSYLVCGNAYCPNODSLKYYVCQYCPAGNMNR 178

OY 194 LVPYEGAPCAPSCPDNDGDLCTNGCKYEDLYSNCKSLKLTLCCKHQLVDRSCASCNC 253

Db 179 KSTPYQOCTPCAGCPDDCKGLCTNSCOYDOLLNSCDLSKNTAGCEHLEKECKATCLC 238

OY 254 SNSIY 258

Db 239 ENKIY 243

RESULT 3

JE0204

testicular protein Tpx-1 - rat
C:Species: Rattus norvegicus (Norway rat)

C:Date: 21-Aug-1998 #sequence_revision 21-Aug-1998 #text_change 21-Jul-2000

C:Accession: JE0204

R:Meda, T.; Sakashita, M.; Ohba, Y.; Nakanishi, Y.

Biochem. Biophys. Res. Commun. 248, 140-146, 1998

A:Title: Molecular cloning of the rat tpx-1 responsible for the interaction between spe

A:Reference number: JE0204; MUID:98340864; PMID:9675100

A:Accession: JE0204
A:Molecule type: mRNA
A:Residues: 1-243 <MAP>
A:Cross-references: DBJ:AB009662; NID:g3374579; PIDN:BA332029.1; PID:g3374580
C:Comment: This protein functions as a cell adhesion protein for the association bet

C:Genetics:

A:Map position: 17

C:Superfamily: cysteine-rich secretory protein 1

Query Match

Best Local Similarity 59.3%; Score 852; DB 2; Length 243;

Matches 151; Conservative 31; Mismatches 61; Indels 2; Gaps 2;

OY 14 MTLFVLLFLVAGLLSPFANEDKDPATLTTOTQVOREIVNKHNELRRAVSPARM 73

Db 1 MAMFQVMEFVAVLLP-LPTEGKDPFATLTTQVOREIVNKHNELRRAVSPARM 59

OY 74 LKMEWKEAANAOKWANOQNRHSNPKDRMTSLKCGENTLYSSAPSSMSQAIOGMPDEY 133

Db 60 LKMEWVQAAANAOKWANNCLIEHSSTEBCKINICGENLYNSTPTSMRTVIOGMYEEN 119

OY 134 NDFDFGVGPKTPNAVVGHTQVWVSSYLVCGNAYCPNOKLYKYVCQYCPAGNMNR 193

Db 120 ENFYVGVGAK-PNSAVGHTQVWVSSFYVCGGVAICPNODLTKFYCHICPMGNMNMK 178

OY 194 LVPYEGAPCAPSCPDNDGDLCTNGCKYEDLYSNCKSLKLTLCCKHQLVDRSCASCNC 253

Db 179 KSTPYQOCTPCASCPCNNDGDLCTNSCDFEDLLNSCESLSAGCKHLEKAKCEATCLC 238

OY 254 SNSIY 258

Db 239 EDKIH 243

RESULT 4

A33329

testis-specific protein - mouse
C:Species: Mus musculus (house mouse)

C:Date: 09-Mar-1990 #sequence_revision 09-Mar-1990 #text_change 29-Sep-1999

C:Accession: A33329

R:Kasahara, M.; Gutknecht, J.; Brew, K.; Spurr, N.; Goodfellow, P.N.

Genomics 5, 527-534, 1989

A:Title: Cloning and mapping of a testis-specific gene with sequence similarity to a

A:Reference number: A33329; MUID:90129048; PMID:2613236

A:Accession: A33329

A:Status: Preliminary

A:Molecule type: mRNA

A:Residues: 1-243 <KAS>

A:Cross-references: GB:M25533; NID:g202126; PIDN:AAA40472.1; PID:g202127

C:Superfamily: cysteine-rich secretory protein 1

Query Match

Best Local Similarity 57.8%; Score 830; DB 2; Length 243;

Matches 146; Conservative 39; Mismatches 56; Indels 2; Gaps 2;

OY 14 MTLFVLLFLVAGLLSPFANEDKDPATLTTOTQVOREIVNKHNELRRAVSPARM 73

Db 1 MAMFQVMEFVALLRS-PLTEGKDPDFTSLTQVOREIVNKHNELRRAVSPARM 59

OY 74 LKMEWKEAANAOKWANOQNRHSNPKDRMTSLKCGENTLYSSAPSSMSQAIOGMPDEY 133

Db 60 LKMEWSIQATTNNAQWAKCILEHSSKODRKINICGENLYNSTPTLMSTVIOGMYEEN 119

OY 134 NDFDFGVGPKTPNAVVGHTQVWVSSYLVCGNAYCPNOKLYKYVCQYCPAGNMNR 193

Db 120 EDFYVGVGAK-PNSAVGHTQVWVSSFKICGICVACPNODLTKFYCHICPMGNMNMK 178

OY 194 LVPYEGAPCAPSCPDNDGDLCTNGCKYEDLYSNCKSLKLTLCCKHQLVDRSCASCNC 253

Db 179 KSTPYQOCTPCASCPCNNDGDLCTNSCDFEDLLNSCESLSAGCKHLEKAKCEATCLC 238

OY 254 SNSIY 258

Db 239 ENKIY 243

Db 239 EDKIH 243

RESULT 5

Cysteine-rich secretory protein-1 - mouse
 N: Alternate names: CRISP-1
 C: Species: Mus musculus (house mouse)
 C: Date: 19-Dec-1993 #sequence_revision 18-Nov-1994 #text_change 29-Sep-1999
 C: Accession: A49202
 R: Haendler, B.; Kratzschmar, J.; Theuring, F.; Schlauning, W.D.
 Endocrinology 133, 192-198, 1993
 A: Title: Transcripts for cysteine-rich secretory protein-1 (CRISP-1, DE/ABC) and the novel
 A: Reference number: A49202, MUID:93307144, PMID:8319566
 A: Accession: A49202
 A: Status: preliminary
 A: Molecule type: nucleic acid
 A: Residues: 1-244 <HAED>
 A: Cross-references: GB:U05559; NID:g309190; PIDN:AA37460.1; PID:g309191
 A: Experimental source: NMRI, epididymis, salivary gland
 A: Note: sequence extracted from NCBI backbone (NCBIN:134675, NCBIPI:134676)
 C: Superfamily: cysteine-rich secretory protein 1

RESULT

acidic epididymal glycoprotein precursor -rat
N:Alternate names: sperm-coating glycoprotein
C:Species: Rattus norvegicus (Norway rat)
C:Date: 30-Jun-1988 #sequence_revision 30-Jun-1988 #text_change 29-Sep-1999
C:Accession: A40918; A24609
R:Character: N.J.: Joseph, D.R.; Wilson, E.M.; French, F.S.
MOL: Endocrinol. 2, 999-1004, 1988
A:Title: Molecular cloning of complementary deoxyribonucleic acid for an androgen-regulated
A:Reference number: A40918; MUID:89039913; PMID:2460753
A:Accession: A40918
A:Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-246 <CH>
A:Cross-references: GB:M21173; NID:g202772; PIDN:AB59716.1; PID:g202773
R:Brooks, D.E.; Means, A.R.; Wright, E.J.; Singh, S.P.; Tiver, K.K.
EUR: J. Biochem. 161, 13-18, 1986
A:Title: Molecular cloning of the cDNA for androgen-dependent sperm-coating glycoprotein
A:Reference number: A24609; MUID:87053995; PMID:3780731
A:Accession: A24609
A:Molecule type: mRNA
A:Residues: 1-246

A:Cross-references: GB:X04643; NID:g56112; PIDN:CAA8304.1; PID:g56113
C:Superfamily: cysteine-rich secretory protein 1

C:Keywords: glycoprotein; sperm
F:1-19/Domain: signal sequence #status predicted <SIG>
F:20-246/Product: acidic epididymal glycoprotein #status predicted <MAT>

RESOL
B49202

cysteine-rich secretory protein-3 - mouse
N:Alternate names: CRISP-3
C:Species: Mus musculus (house mouse)
C:Date: 19-Dec-1993 #sequence_revision 18-Nov-1994 #text_change 29-Sep-1999
C:Accession: B49202
R:Haendler, B.; Kitzschmar, J.; Theuring, F.; Schleuning, W.D.
E:Endocrinology 133, 192-199, 1993
A:Title: Transcripts for cysteine-rich secretory protein-1 (CRISP-1; DE/REG) and the
A:Reference number: A49202; MUID:93307144; PMID:8319586
A:Accession: B49202
A>Status: preliminary
A:Molecule type: nucleic acid
A:Residues: 1-241 <HAES>
A:Cross-references: GB:105560; NID:g309192; PIDN:AAA37461.1; PID:g309193
A:Experimental source: NMRI, epididymis, salivary gland
A:Note: sequence extracted from NCBI backbone (NCBIN:134677, NCBI:P:134678)
C:Superfamily: cysteine-rich secretory protein 1

RESULT 8

Cysteine-rich secretory protein 1 precursor - human
 S68684
 C:Species: Homo sapiens (man)
 C>Date: 15-Feb-1997 #sequence_revision 13-Mar-1997 #text_change 20-Jun-2000
 C:Accession: S68684
 R:Kraetschmar, J.; Haendler, B.; Eberspaecher, U.; Roosterman, D.; Donner, P.; Schleutnaur, J. Biochem. 236, 827-836, 1996
 A>Title: The human cysteine-rich secretory protein (CRISP) family. Primary structure and
 A:Reference number: S68681; MUID:96270732; PMID:8665901
 A:Accession: S68684
 A>Status: preliminary
 A:Molecule type: mRNA
 A:Residues: 1-249 <KRA>
 A:Cross-references: EMBL:X95237; NID:g1262814; PIDN:CAA64524.1; PID:g1262815
 F:1-21/Domain: signal sequence #status predicted <SIG>
 F:22-249/Product: cysteine-rich secretory protein 1 #status predicted <MAT>

Query Match 36.9%; Score 529.5; DB 2; Length 249;
 Best Local Similarity 45.5%; Pred. No. 3.8e-35;
 Matches 111; Conservative 26; Mismatches 100; Indels 7; Gaps 5;

Oy	20	LFLVAG--LLP--SFPANEDKDPFAFTALLTTOTQOVOREIVYKNHLELRRAVSPPARMMLK	75
Db	6	LLFLVAACCLLPMLSMKKKSARD-QFNKLVTDLPRVOEIVINHALLRRVRVPASNNMLK	64
Oy	76	MEMNKEAANAOKMANOCNYRHSNPKD-RMYSLKCGENLYSSAPSSMSQAIOSPDEYN	134
Db	65	MMSSEEAQANARIFSKYCDMTESNPLERLPTFCGENHMHTSYPSWSVYGWVSEST	124
Oy	135	DEDPCVGKPTPNAY-VGHYTVQVWYSSYLVCGNAYCPNQKVLKXYIQQCPAGNMNR	193
Db	125	SFKHEEMTTDDITTDHTDTQTVMATSYLVIGCAIASCRQGSPRLYYCHYCHEGNDPEPT	184
Oy	194	LYPYEGCAPCASCPCDNCDGLCTNGCKYEDLYSNCKSLIKLTJTCKHOLVDRSCASCNC	253
Db	185	KNEPKTGVPCBACPSCNEDKCTNPCICYDYDFPCDIQVNHLCGNHSTTLFCATCTGC	244
Oy	254	SNST 257	
Db	245	DTEI 248	

RESULT 9

cysteine-rich secretory protein 1-delta precursor - human
 S68681
 C:Species: Homo sapiens (man)
 C>Date: 15-Feb-1997 #sequence_revision 13-Mar-1997 #text_change 20-Jun-2000
 C:Accession: S68681; S74302
 R:Kraetschmar, J.; Haendler, B.; Eberspaecher, U.; Roosterman, D.; Donner, P.; Schleutnaur, J. Biochem. 236, 827-836, 1996
 A>Title: The human cysteine-rich secretory protein (CRISP) family. Primary structure and
 A:Reference number: S68681; MUID:96270732; PMID:8665901
 A:Accession: S68681
 A:Molecule type: mRNA
 A:Residues: 1-178 <KRA>
 A:Cross-references: EMBL:X95238; NID:g1262812; PIDN:CAA64525.1; PID:g1262813
 A:Accession: S74302
 A:Molecule type: protein
 A:Residues: 22-41 <KRE>
 C:Superfamily: cysteine-rich secretory protein 1
 F:1-21/Domain: signal sequence #status predicted <SIG>
 F:22-178/Product: cysteine-rich secretory protein 1-delta #status experimental <MAT>

Query Match 26.0%; Score 373.5; DB 2; Length 178;
 Best Local Similarity 47.1%; Pred. No. 8.1e-23;
 Matches 81; Conservative 21; Mismatches 63; Indels 7; Gaps 5;

Oy	20	LFLVAG--LLP--SFPANEDKDPFAFTALLTTOTQOVOREIVYKNHLELRRAVSPPARMMLK	75
Db	6	LLFLVAACCLLPMLSMKKKSARD-QFNKLVTDLPRVOEIVINHALLRRVRVPASNNMLK	64

RESULT 10

testis-specific, vespid, and pathogenesis-related protein 1 precursor - human
 JC5308
 C:Species: Homo sapiens (man)
 C>Date: 01-May-1997 #sequence_revision 01-May-1997 #text_change 19-May-2000
 C:Accession: JC5308; PC4311
 R:Rich, T.; Chen, P.; Furman, F.; Huynh, N.; Israel, M.A.
 Gene 180, 125-130, 1996
 A>Title: RTVP-1, a novel human gene with sequence similarity to genes of diverse spe
 A:Reference number: JC5308; MUID:97128816; PMID:8973356
 A:Accession: JC5308
 A:Molecule type: mRNA
 A:Residues: 1-266 <RIC1>
 A:Cross-references: EMBL:X91911; NID:g1030052; PIDN:CAA63005.1; PID:g1030053
 A:Accession: PC4311
 A:Molecule type: protein
 A:Residues: 97-100/114-120/134-144 <RIC2>
 A:Experimental source: brain tumor cell
 C:Genetics:
 A:Gene: rtvp-1
 C:Superfamily: yellowjacket venom allergen antigen 5
 F:1-21/Domain: signal sequence #status predicted <SIG>
 F:22-266/Product: testis specific, vespid, and pathogenesis-related protein 1 #statu
 F:233-255/Domain: transmembrane #status predicted <TM>

Query Match 22.8%; Score 328; DB 2; Length 266;
 Best Local Similarity 34.9%; Pred. No. 5.3e-19;
 Matches 81; Conservative 34; Mismatches 71; Indels 46; Gaps 12;

Oy	9	LETMTLFYVLLF-----VAGLLPSFPANEDKDPFAFTALLTTOTQOVOREIVYKNHLE	63
Db	1	MKVLTATIAMWYFVNSYHTANIILPDIE-NED-----FIKDVIRHNKR	45
Oy	64	RAYSPARNMLKMEWNKEAANAOKMANOCNRYHS---NPKDM----TSLKCGENLYMS	116
Db	46	SEVKPTASDMLYMTWDPALAQIAKAMASNCOFSHTFRLPKRLPHNTLSL--GENIWTC	103
Oy	117	SAP-SSMSQAIOSPDEYNDEDFGVGKPTPNAYVGHYTVQVWYSSYLVCGNAYCPNQKY	175
Db	104	SVPIRSVASAITNWDELQIDYDKF--RIKCKYVGHYTVQVWADSYKXGCAOFCPP--KV	159
Oy	176	LKY-----YVCOYCPAGMANRLYPYEGCAPCASPON--CDDGLCTN	218
Db	160	SGFDALNSGAHFICNYCGGNYPT--WPYRGATCSACPNNDKCLDNLGVN	208

RESULT 11

glioma pathogenesis-related protein - human
 JC4131
 C:Species: Homo sapiens (man)
 C>Date: 02-Aug-1995 #sequence_revision 19-Oct-1995 #text_change 04-Mar-2000
 C:Accession: JC4131
 R:Murphy, E.V.; Zhang, Y.; Zhu, W.; Biggs, J.
 Gene 159, 131-135, 1995
 A>Title: The human glioma pathogenesis-related protein is structurally related to plic
 A:Reference number: JC4131; MUID:95331646; PMID:7607567
 A:Accession: JC4131
 A:Molecule type: mRNA
 A:Residues: 1-219 <MUR>
 A:Cross-references: GB:U06307; NID:g1100927; PIDN:AAA82731.1; PID:g847722
 A:Experimental source: brain tumor
 C:Genetics:
 A:Gene: GLIPR

Oy	20	LFLVAG--LLP--SFPANEDKDPFAFTALLTTOTQOVOREIVYKNHLELRRAVSPPARMMLK	75
Db	6	LLFLVAACCLLPMLSMKKKSARD-QFNKLVTDLPRVOEIVINHALLRRVRVPASNNMLK	64

A:Cross-references: GDB:683195
C:Superfamily: yellowjacket venom allergen antigen 5
C:Keywords: brain

Query Match 22.5%; Score 322.5; DB 2; Length 219;
Best Local Similarity 36.5%; Pred. No. 1.2e-18;
Matches 77; Conservative 30; Mismatches 63; Indels 41; Gaps 11;

QY 25 AGLESPANEDKDPFTALLTTQTQVOREIYNKHNELRAVSPPARMLKMEKNKEAAA 84
DB 12 ANILPDI-ENED-----FIKDCVRIHKKFSEVKPTASDMLYMTWDPALAQ 56
QY 65 NAKKASNCNRYHS---NPKDM-----TSKGCENLYMSAP--SSMSQAIOSEMPDEYNDF 136
DB 57 IAKAASNCQFSHNTRLRPHRLHPNFTSL--GENIWTGVSPIFSVSAITMYDEIODY 114
QY 137 DFGVGPRTPNNAVGHYQTVVWYSSYLWGCGNAYCPNQKVLKY-----YVVCQYCPAGN 189
DB 115 NFKT--RICKKVCGHYQTVVWYSSYLWGCGNAYCPNQKVLKY-----YVVCQYCPAGN 170
QY 190 WANRLVPEEGAPCASPDPN--CDDGLCTN 218
DB 171 YPT--WPYKRGATCSACPNDKCDLNLGVN 198

RESULT 12

G44583
venom allergen antigen Vesp c 5.01 - European hornet
C:Species: Vespia crabro (European hornet)
C:Date: 27-Jun-1994 #sequence_revision 27-Jun-1994 #text_change 11-Jan-2000
C:Accession: G44583; G44522
R:Hoffman, D.R.
J. Allergy Clin. Immunol. 92, 707-716, 1993
A:Title: Allergens in hymenoptera venom XXV: the amino acid sequences of antigen 5 molec
A:Reference number: A44583; MUID:94044316; PMID:8227862
A:Accession: G44583
A:Status: preliminary
A:Molecule type: protein
A:Residues: 1-202 <HOF>
C:Superfamily: yellowjacket venom allergen antigen 5

Query Match 18.7%; Score 269; DB 2; Length 202;
Best Local Similarity 37.2%; Pred. No. 2.1e-14;
Matches 61; Conservative 23; Mismatches 60; Indels 20; Gaps 5;

QY 45 LTTQTQVOREIYNKHNELRAVSP-----PPARMLKMEKNKEAANAQKMANO 92
DB 36 LTKQENL--EILKQHNELFQKVARGLFTRGNPGPPAKSMNTLVNDELQIAQVMAQO 93
QY 93 CNVRHSNPDQMTSLKGCENLYMSAPSW---SSQAIOSEMPDEYNDFGVGPRTPNNAV 148
DB 94 CNVGHDCNRN-SAKYSVGNINIEGSTTADNFGSVSNMVKMEDEYKDYOG--SPKKNLKN 151

QY 149 VGHYQTVVWYSSYLWGCGNAYCPNQKVLKYVVCQYCPAGNMAN 192
DB 152 VGHYQTVVWYSSYLWGCGNAYCPNQKVLKYVVCQYCPAGNMAN 195

RESULT 13

H44583
venom allergen antigen Vesp c 5.02 - European hornet
C:Species: Vespia crabro (European hornet)
C:Date: 27-Jun-1994 #sequence_revision 27-Jun-1994 #text_change 11-Jan-2000
C:Accession: H44583; H44522
R:Hoffman, D.R.
J. Allergy Clin. Immunol. 92, 707-716, 1993
A:Title: Allergens in hymenoptera venom XXV: the amino acid sequences of antigen 5 molec
A:Reference number: A44583; MUID:94044316; PMID:8227862
A:Accession: H44583
A:Status: preliminary
A:Molecule type: protein
A:Residues: 1-202 <HOF>
C:Superfamily: yellowjacket venom allergen antigen 5

Query Match 18.5%; Score 265; DB 2; Length 202;
Best Local Similarity 36.6%; Pred. No. 4.4e-14;
Matches 60; Conservative 24; Mismatches 60; Indels 20; Gaps 5;

QY 45 LTTQTQVOREIYNKHNELRAVSP-----PPARMLKMEKNKEAANAQKMANO 92
DB 36 LTKQENL--EILKQHNELFQKVARGLFTRGNPGPPAKSMNTLVNDELQIAQVMAQO 93
QY 93 CNVRHSNPDQMTSLKGCENLYMSAPSW---SSQAIOSEMPDEYNDFGVGPRTPNNAV 148
DB 94 CNVGHDCNRN-SAKYSVGNINIEGSTTADNFGSVSNMVKMEDEYKDYOG--SPKKNLKN 151
QY 149 VGHYQTVVWYSSYLWGCGNAYCPNQKVLKYVVCQYCPAGNMAN 192
DB 152 VGHYQTVVWYSSYLWGCGNAYCPNQKVLKYVVCQYCPAGNMAN 195

RESULT 14

A31085
antigen 5-2 precursor - bald-faced hornet
C:Species: Vespula maculata (bald-faced hornet)
C:Date: 31-Mar-1990 #sequence_revision 31-Mar-1990 #text_change 11-Jan-2000
C:Accession: A31085
R:Fang, K.S.Y.; Vitale, M.; Fehner, P.; King, T.P.
Proc. Natl. Acad. Sci. U.S.A. 85, 895-899, 1988
A:Title: cDNA cloning and primary structure of a white-face hornet venom allergen, a
A:Reference number: A94213; MUID:88124947; PMID:3422466
A:Accession: A31085
A:Molecule type: mRNA
A:Residues: 1-227 <FAN>
A:Cross-references: GB:J03601; NID:9156714; PID:9156715
C:Superfamily: yellowjacket venom allergen antigen 5
F:1-23/Domain: signal sequence #status predicted <SIG>
F:24-227/Product: antigen 5-2 #status predicted <MAT>

Query Match 18.0%; Score 259; DB 2; Length 227;
Best Local Similarity 34.6%; Pred. No. 1.5e-13;
Matches 55; Conservative 31; Mismatches 55; Indels 18; Gaps 4;

QY 52 QREIYNKHNELRAVSP-----PPARMLKMEKNKEAANAQKMANO 99
DB 64 KNEILRHNDPQNVAKGLFTRGNPGPPAKSMNTLVNDELQIAQVMAQO 123
QY 100 PDRMTSLKGCENLYMSAPSW---SSQAIOSEMPDEYNDFGVGPRTPNNAV 154
DB 124 CRN-TAKYVGONIAISSTTATQFDRPRLKIKWMEDEYEFNKVGLQNSNFKVGHYTO 182
QY 155 VVWYSSYLWGCGNAYCPNQKVLKYVVCQYCPAGNMAN 193
DB 183 MWVKTKTEIGCGSIKRYEDMWYHYLVNVCYGPAGNMAN 221

RESULT 15

B58853
venom allergen sol r 3 - black imported fire ant
C:Species: Solenopsis richteri (black imported fire ant)
C:Date: 06-Nov-1998 #sequence_revision 06-Nov-1998 #text_change 11-Jan-2000
C:Accession: B58853
R:Hoffman, D.R.
J. Allergy Clin. Immunol. 100, 679-683, 1997
A:Title: Reactions to less common species of fire ants.
A:Reference number: A58853; MUID:98049167; PMID:9389299
A:Accession: B58853
A:Status: preliminary
A:Molecule type: protein
A:Residues: 1-211 <HOF>
C:Superfamily: yellowjacket venom allergen antigen 5
C:Keywords: venom

Query Match 17.9%; Score 257.5; DB 2; Length 211;
Best Local Similarity 36.2%; Pred. No. 1.8e-13;
Matches 59; Conservative 24; Mismatches 57; Indels 23; Gaps 6;

```

QY 49 TOVORE-IVNKHNEIRAVS-----PPARNMLKMEMNKEAANANOKMANOCNY 95
Db 39 TDAEKDAIVNKHNEIRORVYASGKENGRTNGPQPPAVKMPNLTWDELTIAQRMANOCTF 98
QY 96 RHNPKDPMSTLKCENLYMSSA---PSSWSQAIOFWDEYNDPD---FGVGPKTPNAY 148
Db 99 EHDACRN-VERFAYGQNIATSSSGKKNKSTLSDMILMYNEVKDFDNRMWISSFSDGNIL 157
QY 149 --VGHYTOVVYSSYLVCGNAYCPNOKVLKYYVCOYCPAGN 189
Db 158 MHVGHYTOIYMAKTKKICCGRIMFEKEDNMKNHLYLCNYCPAGN 200

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Search completed: March 14, 2003, 05:41:32
 Job time : 29.9551 secs